The Department of Defense: Transforming the Business of Military Cultural Resource Data

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DataPalooza: State And Federal Applied Technology In Support Of Cultural Resource Management
Society for American Archaeology
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Overview

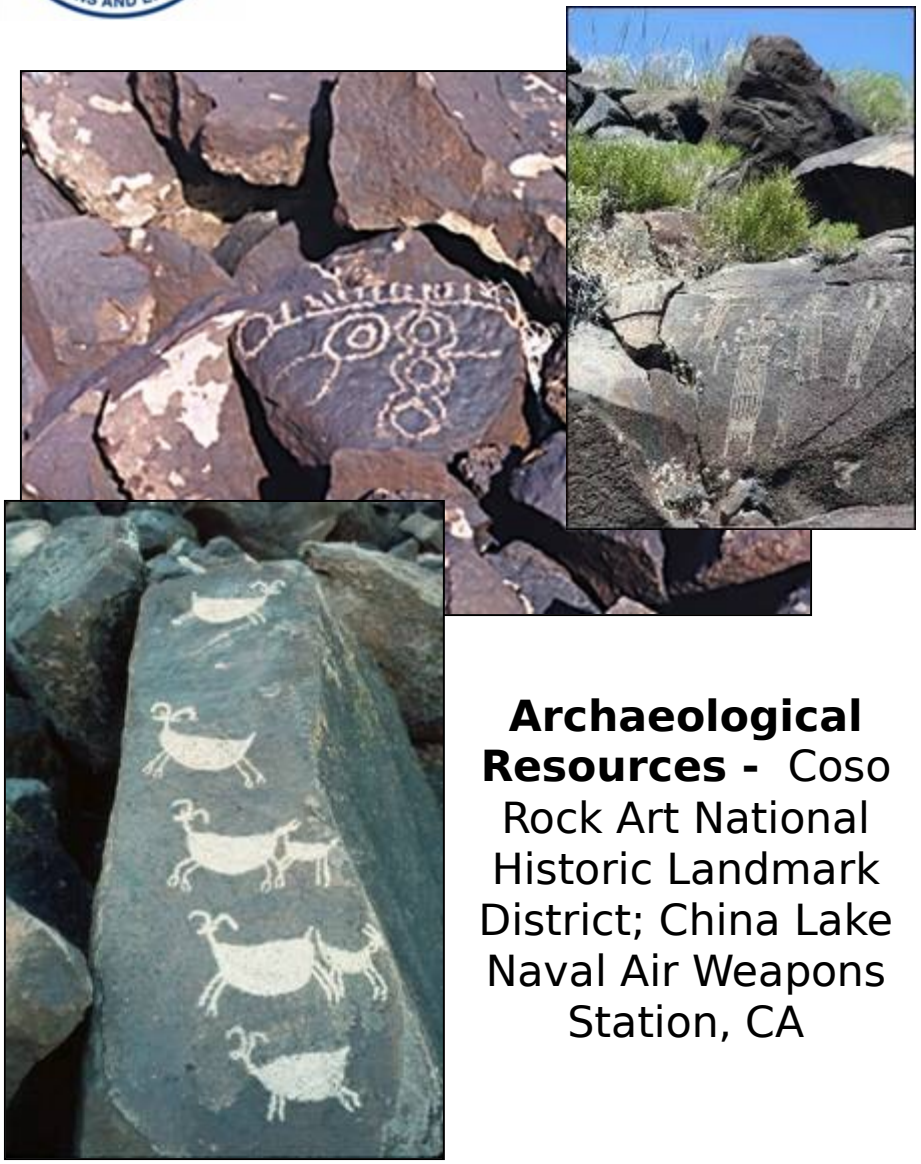
- Department of Defense Inventory of Cultural Resources
- DoD-wide Data Management Initiatives: DISDI
- Military Service-Specific Applications: MCRAD
- The Future of DoD Cultural Resource Data Management

DoD-Managed Archaeological Sites (FY2005)

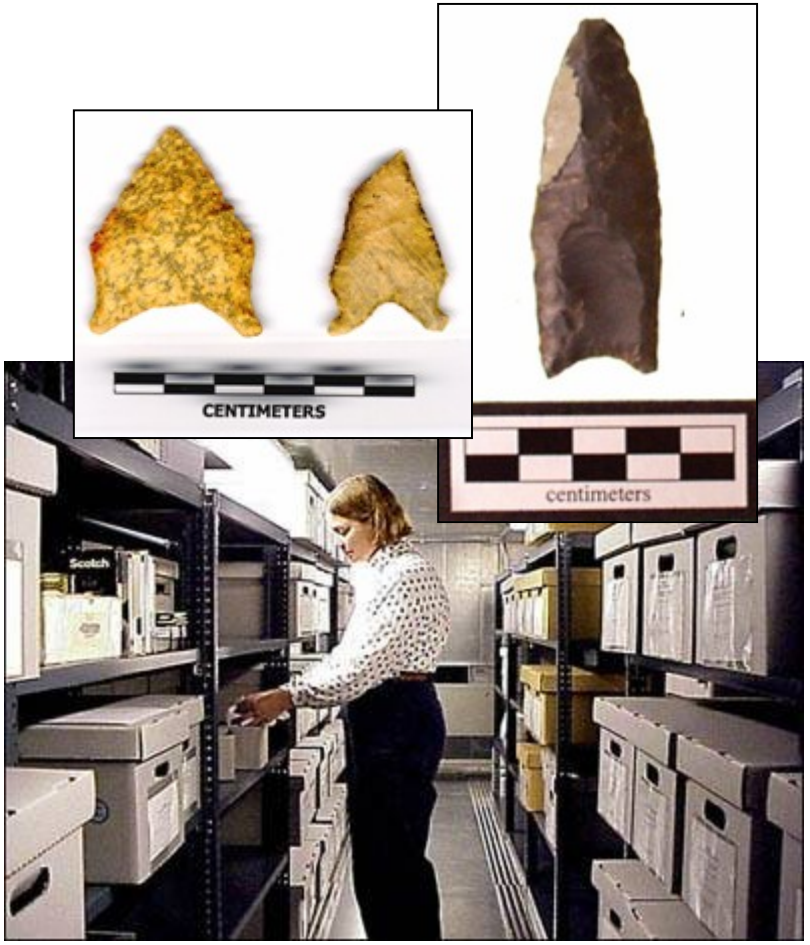
From data submitted for the fiscal year 2005 Sec. Interior's Report to Congress

Total DoD Acreage (incl. Army Corps)		Approx. 41,000,000
Military Service	Total # Recorded Sites	Total Acres Inventoried
Department of the Army	68,605	5,713,447
Department of the Navy (incl. Marine Corps)	17,788	943,656
Department of the Air Force	15,784	1,692,191
Army Corps of Engineers	53,467	3,614,372
		11,963,666

DoD's Inventory of Cultural Resources



Archaeological Resources - Coso Rock Art National Historic Landmark District; China Lake Naval Air Weapons Station, CA



Archaeological Collections and Associated Records – Fort Bragg, NC (top); Fort Riley, KS (bottom)

DoD's Inventory of Cultural Resources

Site – 16th century Spanish fort; Parris Island, SC

Object – Titan II Launch Facility, Vandenberg AFB, CA

District – Ft Monroe National Historic Landmark District, Hampton, VA

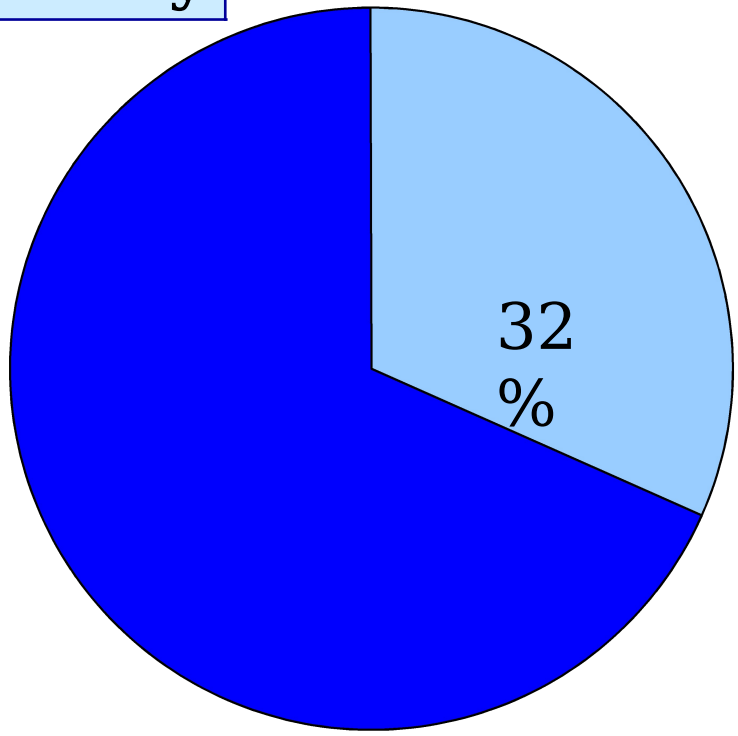
Building – The Pentagon, Arlington, VA

Object – USS *Constitution*, Boston, MA

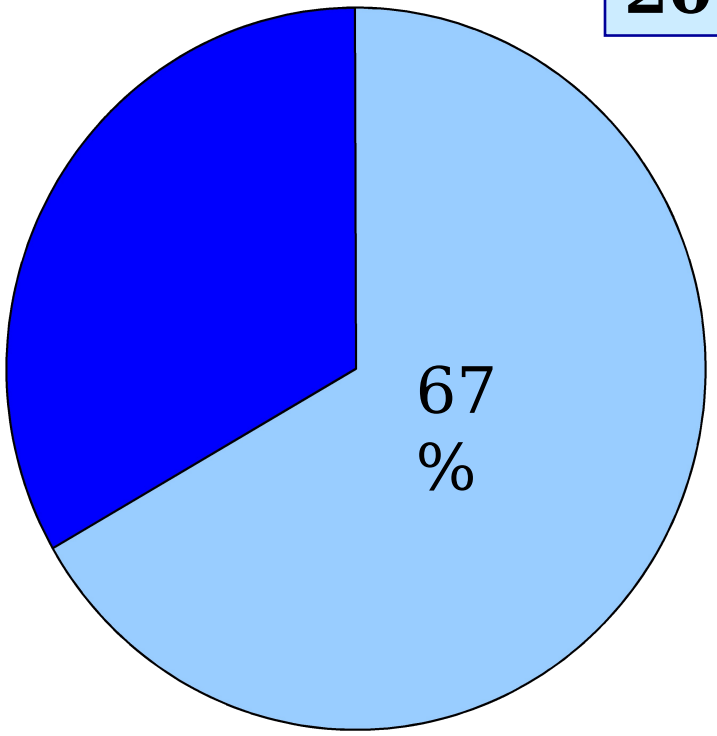
DoD Historic Buildings and Structures (FY 2005)

344,950 Buildings in the DoD Inventory

Today

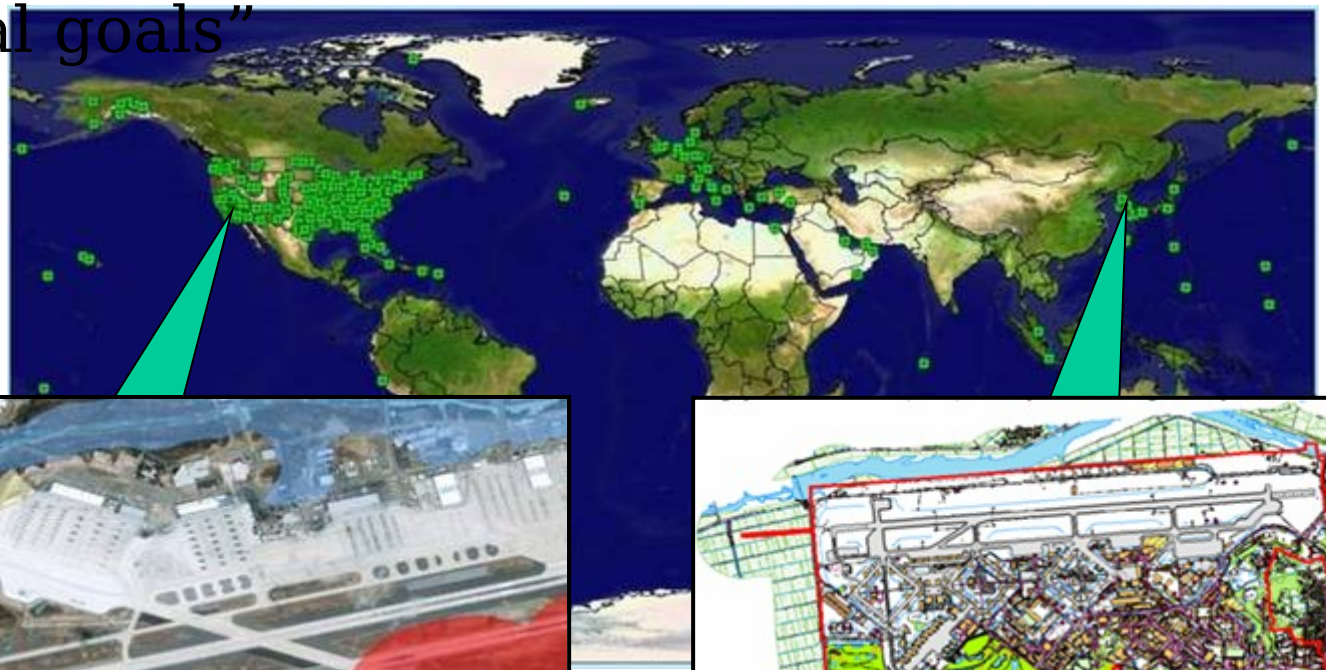


2025

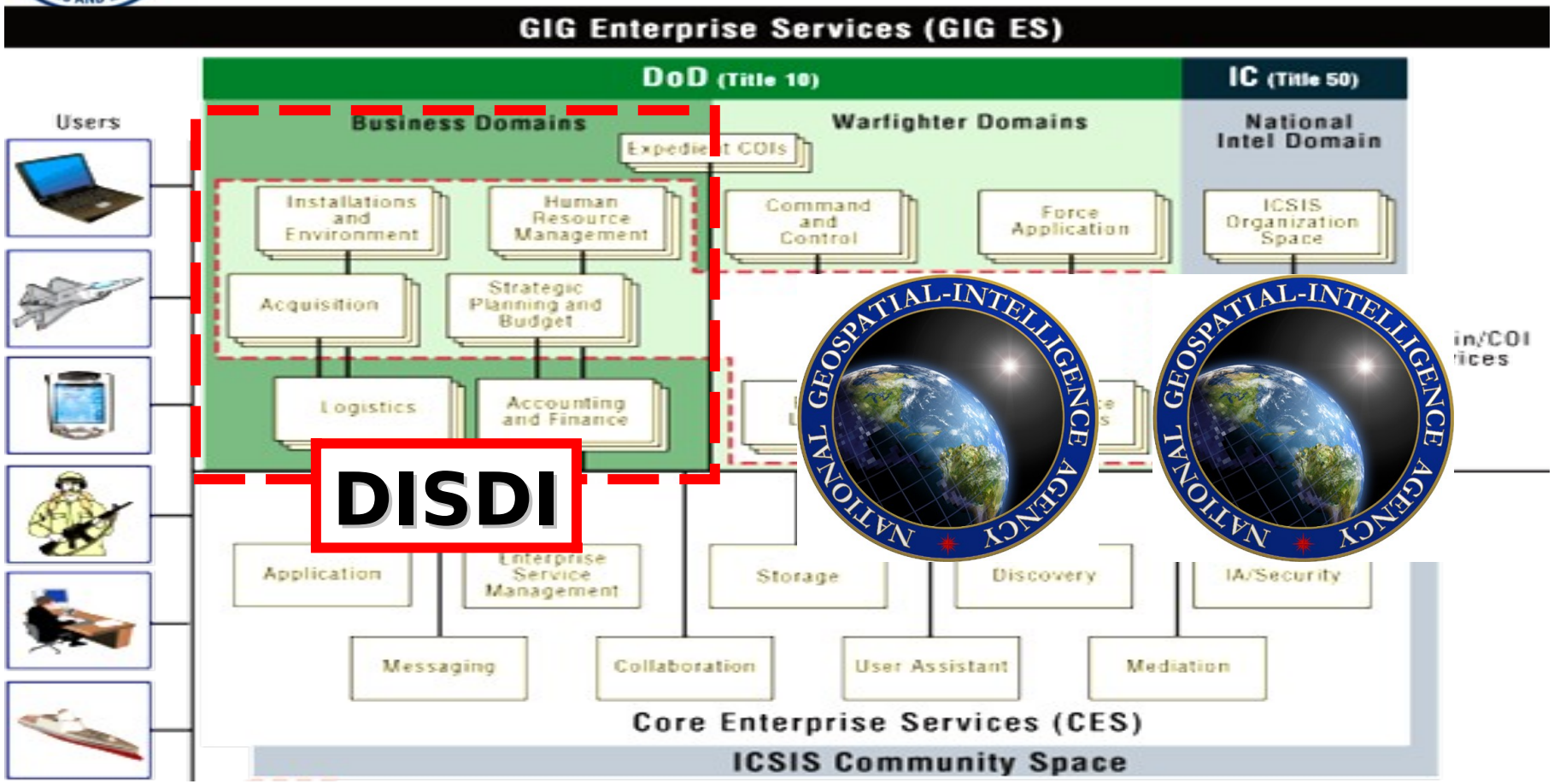


DoD-wide Data Management Initiatives: DISDI

"A DoD mission capability comprised of those people, policies, and practices necessary to acquire, steward and share installation, environmental, and range geospatial data assets for defense, federal, and national goals"



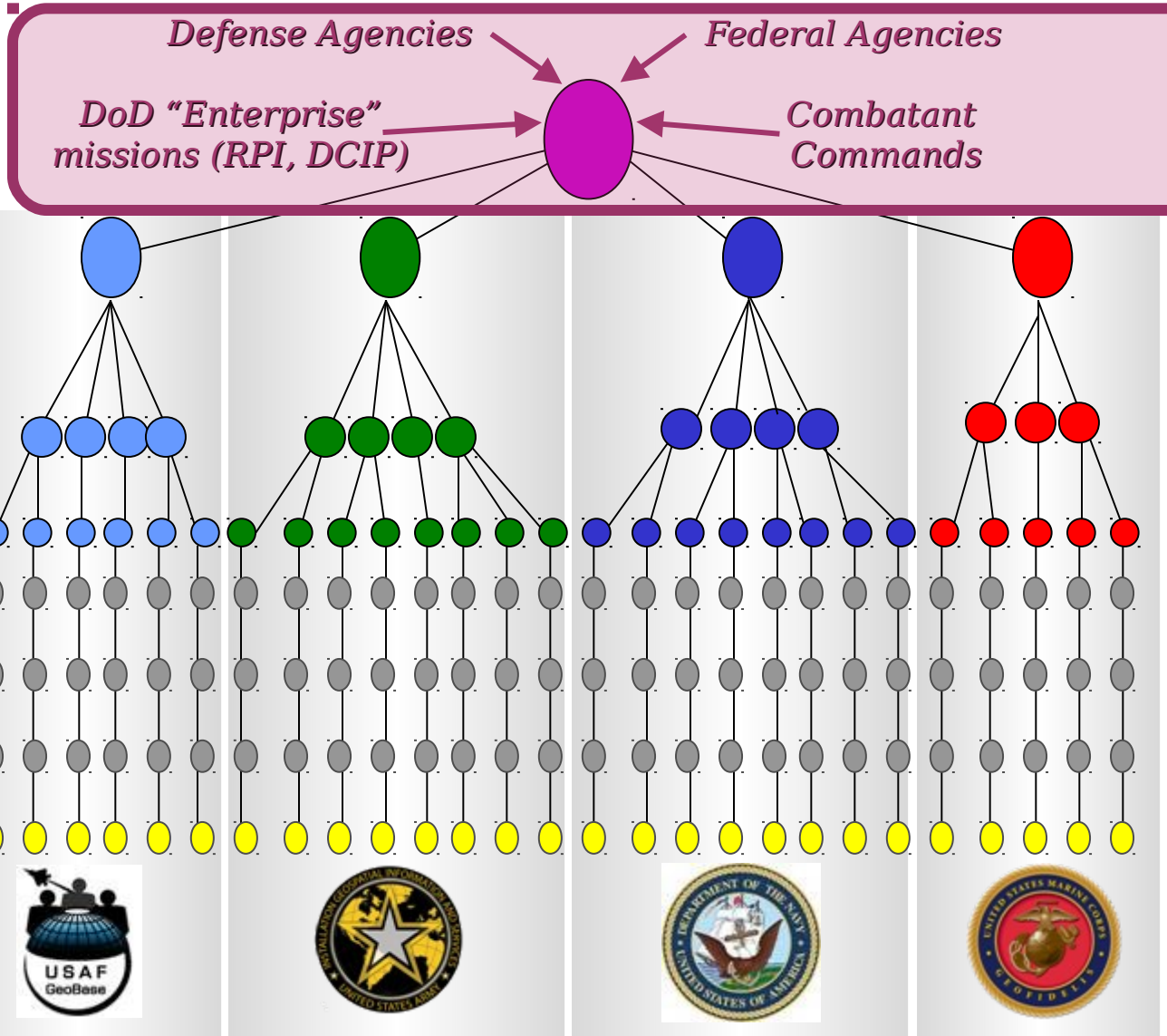
Spatial Information Management Across DoD Global Information Grid (GIG) Mission Areas



- Business Mission Area
- Warfighter Mission Area
- Intelligence Mission Area

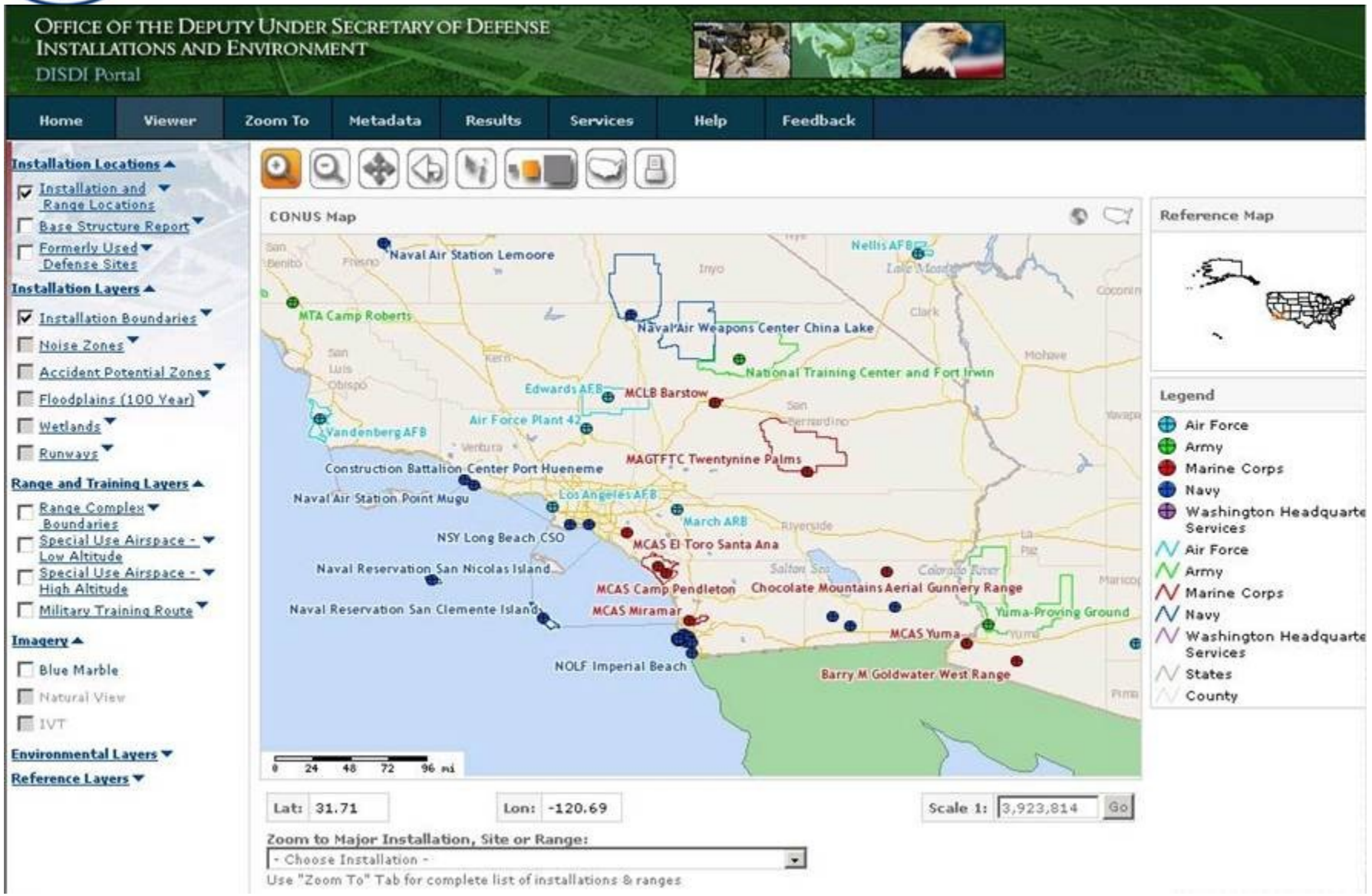
DISDI Data Sharing Concept of Operations

Acquisition, Technology and Logistics



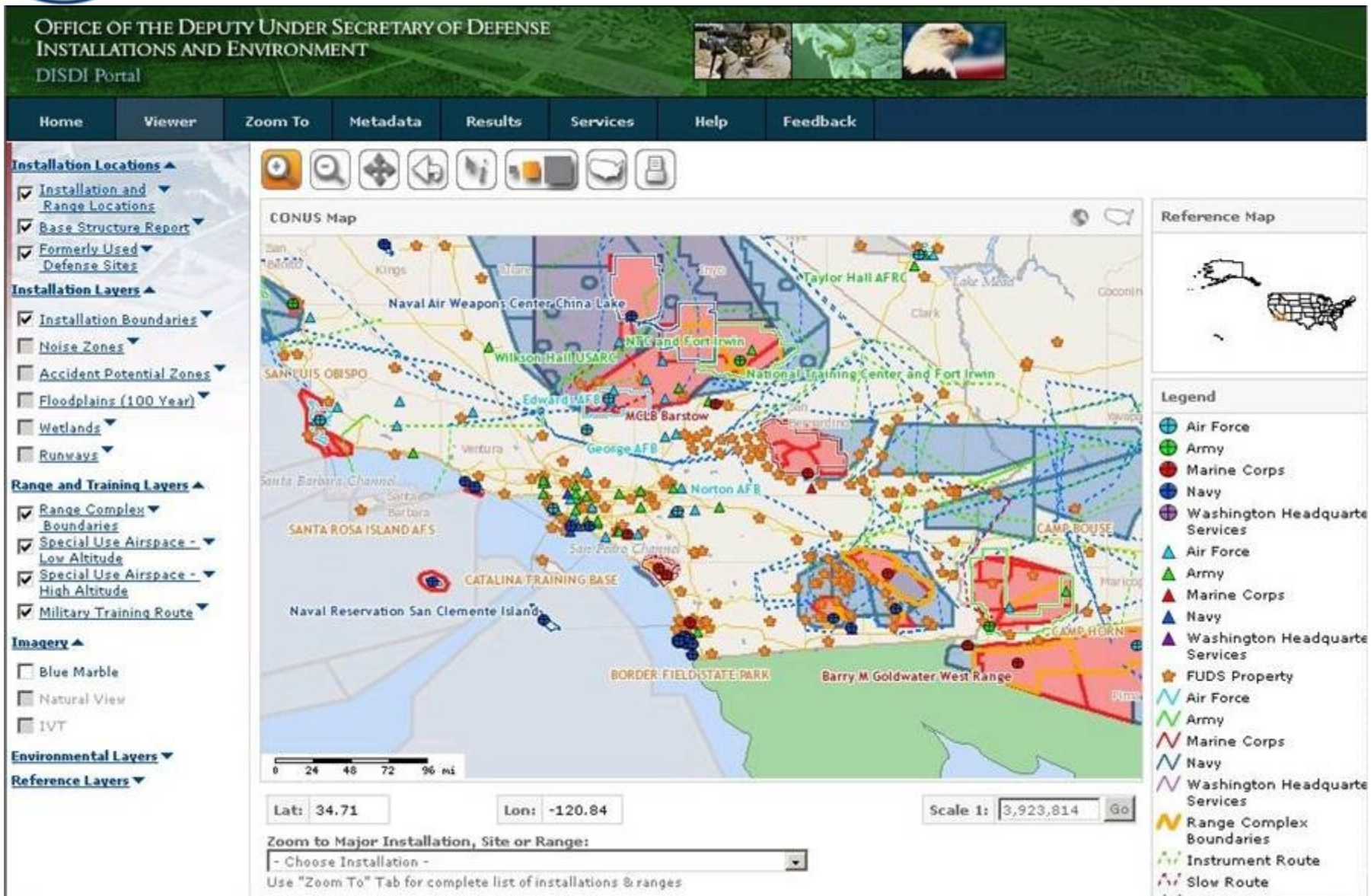
DISDI Portal

Acquisition, Technology and Logistics

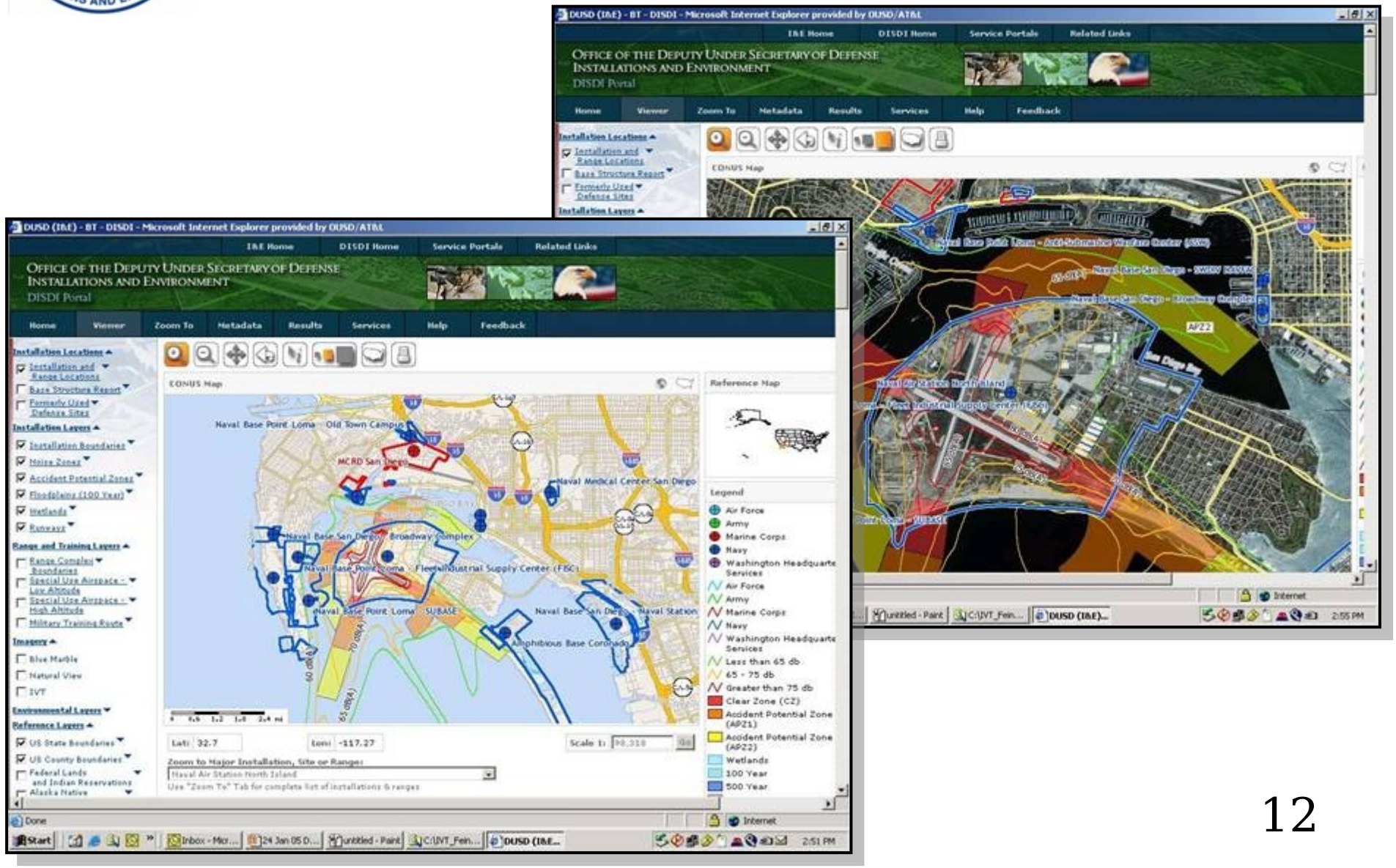


DISDI Portal

Acquisition, Technology and Logistics



DISDI Portal



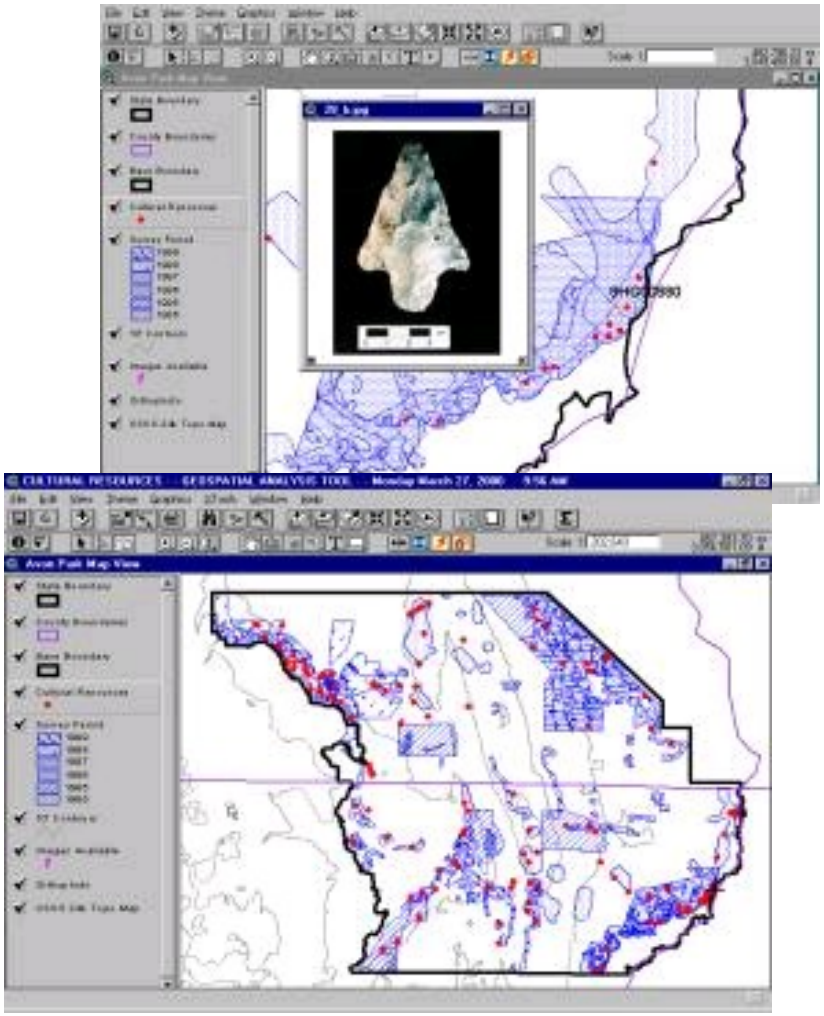
Military Service-Specific Applications: MCRAD

Non-Spatial Themes

Documents
Compliance
Consultations
Building Elements
NRHP Eligibility
Status
Points of Contact
Artifact Collections
Artifacts
Artifact Tribal Affiliations
ARPA Violations

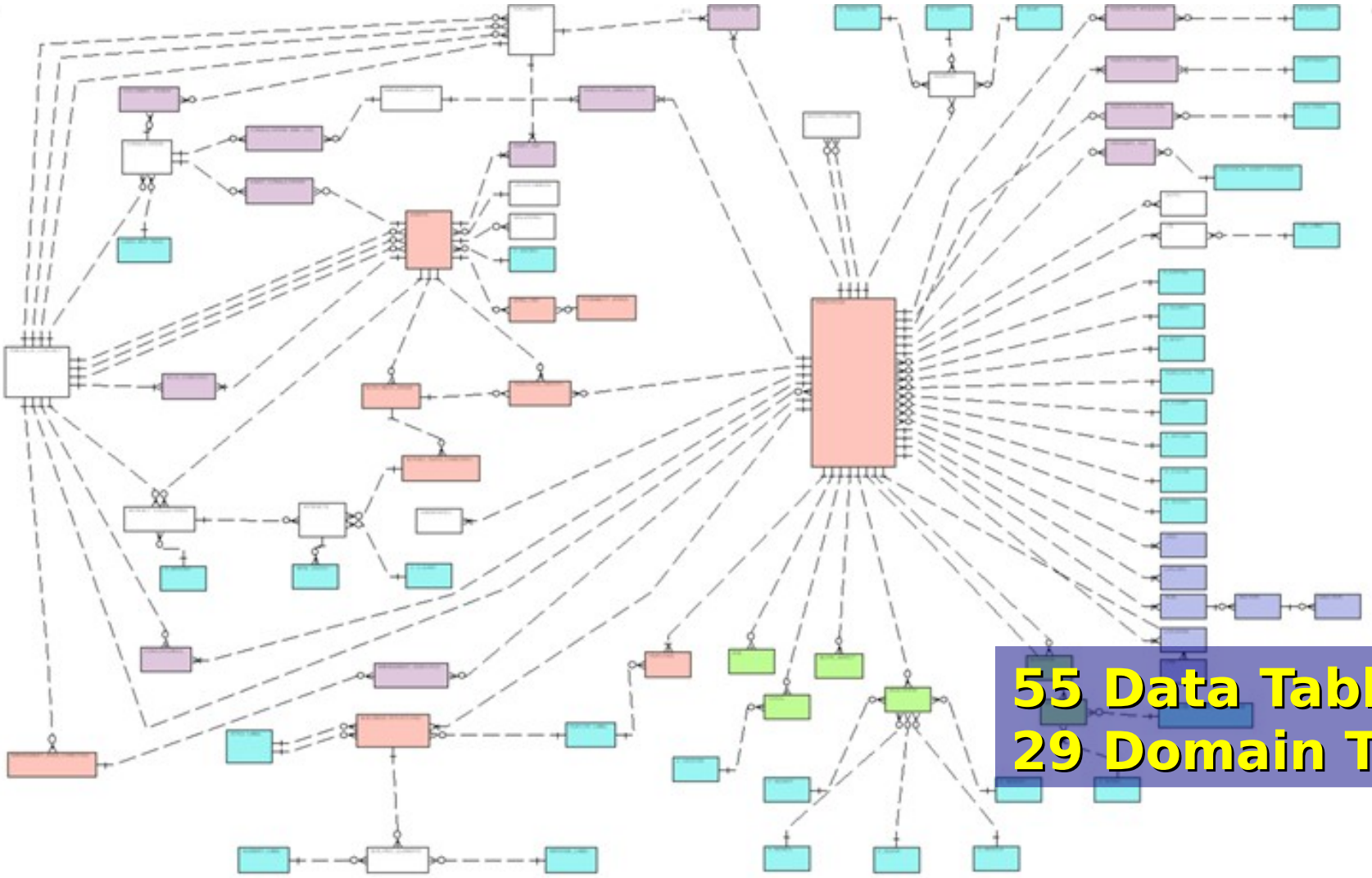
Spatial Themes

Resources
Resource History
Buildings
Features
Events
Survey Method Areas
Test Locations
Probability Zones
Management Areas
Undertakings



Military Cultural Resources Analysis Database (MCRAD)

Acquisition, Technology and Logistics



55 Data Tables
29 Domain Tables

Next Steps for MCRAD

- Integrate into existing DoD (SDSFIE) Cultural Resources Standards
- Integrate in USAF Enterprise Environment, Safety and Occupational Health Management Information System
- Fill gaps in data model
- Continue data population
- Develop work process diagrams
- Develop report generation and analysis capability
- Address web deployment, security

The Future of DoD CR Data Management

- Incorporation of Cultural Resources Data Sets into the larger DoD-wide business enterprise architecture
- Consistency of data collection to support internal and external reporting requirements
- Deployment of MCRAD across more installations
- Adoption of a data model (MCRAD or similar) to define the minimum data collection standard across DoD
- Incorporate data collection and data collection standards into all aspects of DoD cultural resources management programs

Questions?

For more information:

www.acq.osd.mil/ie/bei/disdi.htm

Defense Installations Spatial Data Infrastructure

http://www.versar.com/mcrad-com/secure/mcrad-com-files/main.htm

Military Cultural Resources Analysis Database

https://www.denix.osd.mil/denix/Public/Library/NCR/toc.html

DoD Conservation Program (includes Cultural Resources)

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